

# CHEMICAL MARKETS

Established 1914

## Weekly News Edition

VOL. XX No. 5

Published every Thursday by  
Drug & Chemical Markets, Inc.

FEBRUARY 3, 1927

### Allied Chemical to Erect Fertilizer Plant

**Hopewell, Va., Site Selected—Said to Be Preferable to Muscle Shoals—Company Claims that \$4,500,000 Has Been Spent on Research—Products to Be Made Not Announced—Ammonium Phosphate and Sulfate Likely—No Additional Financing**

A huge fertilizer plant fixing nitrogen from the air is to be erected at Hopewell, Va., by the Allied Chemical & Dye Corp. According to a statement made by officials of the company, "The corporation for the past five years has had in operation a laboratory plant involving an investment of \$4,500,000 devoted to the manufacture and intensive study of fixation nitrogen products.

"This work to date justifies the initiation of new installation of large capacity, with a view to producing, from raw materials available in the United States, fixation nitrogen products in quantities sufficiently large to enable the United States eventually to be independent of importation of these products as units of fertilizer, as well as making the United States independent of importation during periods of war.

"The economics as to location and technical process at Muscle Shoals not proving of interest, the company has acquired a large acreage, accessible to both rail and deep water carriers, at Hopewell, Va., for the location of the first installation.

"While the investment in plant necessary for these installations is very large, current assets are ample to take care of this requirement without obligating the company in any way for additional financing."

While no statement has been made as what products are to be manufactured at the new plant, as report has been current that the corporation will use a new process of obtaining nitrates, chief among which will be ammonium phosphate. The manufacture of ammonium phosphate necessitates phosphate

rock as a raw material, the chief source of which is Florida where large fertilizer companies have extensive holdings.

At present the Allied Chemical & Dye Corp. is the largest single factor in ammonia and ammonium sulfate, and controls at least 80 per cent of the ammonia business, and 90 per cent of the ammonium sulfate business. It is also probable that ammonium sulfate will also be manufactured at the new plant, as the company is reported to control large deposits of pyrites in that region which might be used as a source of sulfur.

### NEW RAYON PLANT

Rayon machinery valued at £400,000 (approximately \$2,000,000) has been installed in Crosse & Blackwell's old preserve factory at Branston, Staffordshire, England. The proposed rayon company will have £1,000,000 (\$5,000,000) capital, and shares are to be sold to the public in February.

### HOLD POISON LABEL BILL

Bill for a poison label on dangerous caustic or corrosive acids and alkalis, which is opposed by the chemical trade, has been sent back to committee for further consideration, on motion of Representative James S. Parker, New York. The bill was passed by the Senate in June, 1926.

Rogers Pyatt Shellac Co.'s building, machinery and stock, Jersey City, damaged by fire Jan. 16, were insured for \$570,000.

### EXPLAINS CYANAMID PLAN

(Special to CHEMICAL MARKETS)

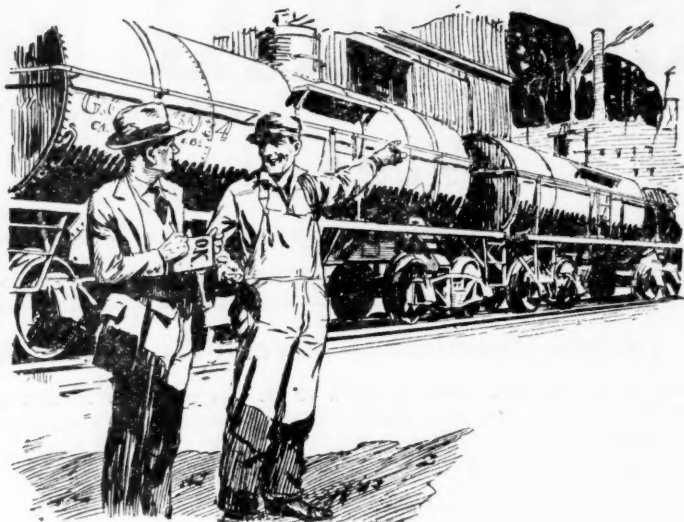
Washington, Feb. 2.—W. B. Bell, president American Cyanamid Co., New York, appeared before the House Military Affairs Committee Jan. 26 to discuss what can be done at Muscle Shoals in producing cheap air-fixed nitrogen fertilizers. The company's New Jersey plant has an output of approximately 4,000 tons per month, he said.

"This fertilizer is of such a high grade concentrated quality that we can ship it long distances in competition with foreign producers," Mr. Bell claimed. "This is the only air-fixed nitrogen fertilizer produced in United States. We use cyanamid process, for which the Muscle Shoals plant is equipped, and this is the process widely used for fertilizer production in Germany today."

Mr. Bell declared that the claim that the cyanamid process is being superseded by the German synthetic process is untrue. It was explained that Germany somewhat favors the latter process because she lacks cheap water power and has an abundance of cheap labor. With cheap power at Muscle Shoals and a magnificent cyanamid plant available and ready to operate there is no question about the cyanamid process being the proper one to use at Muscle Shoals at this time, Mr. Bell believes.

The committee has completed hearings on the proposal for leasing the property to Farmers Federated Fertilizer Corp. backed by Eastern capital, and virtually concluded hearings in favor of the Madden bill with the testimony of W. B. Bell, president of American Cyanamid Co.

What action the committee will take on the various proposals has not been determined. There are indications that should neither Madden nor Reece bills prove acceptable the committee might turn to Government operation.



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THE NICHOLS CHEMICAL CO., LTD., MONTREAL

## CHEMISTS TO DISCUSS LIME

Lime has been included in the program of American Chemical Society for its Spring meeting at Richmond, Va., April 11 to 16. More than 115 industries use lime. Lime produced and sold in 1926 amounted to approximately 5,000,000 tons with a value of \$46,500,000, of which about 45% was consumed by chemical industries. These figures do not include the very large tonnages consumed by those industries which produce their own lime such as alkali manufacturers, iron and steel industry, carbide producers, sugar refineries.

Speakers will be P. A. Paulson, Kimberly Clarke Paper Co.; Chas. Warner, of Chas. Warner Co., J. M. Dorr, Dorr Co.; A. H. Hooker, of Hooker Electrochemical Co.; Prof. G. I. McLaughlin, University of Cincinnati; C. P. Hoover, Columbus, Ohio, Water Purification Works; L. F. Warrick, Wisconsin State Board of Health; W. E. Carson, Riverton Lime Co.; Prof. G. L. Clark, Massachusetts Institute of Technology; V. J. Azbe, Consulting Combustion Engineer; Prof. O. R. Overman, University of Illinois; R. K. Meade, Consulting Engineer. J. R. Withrow, Department of Chemical Engineering, Ohio State University, is in charge of the symposium.

Drilling for potash in Eddy County, New Mexico, will begin in a few weeks. The site is 20 miles from the McNutt test well, recently drilled by private interests, cores from which demonstrated the existence of ten groups of beds containing potash-bearing salts of possible commercial interest. Cuttings from a number of oil wells drilled in the vicinity have also indicated the existence of potash beds.

Production index number for chemicals for December was 210 compared with 205 for November and 186 for December, 1925, taking 1919 at 100 per cent. Monthly average last year was 181 compared with 170 for 1925, an increase of 6.5 per cent.

Caustic soda is to be produced in Finland to make the industries independent of foreign supplies. Two timber and paper companies will manufacture the required amount, the present domestic output being only 1,800 metric tons.

English Velvet and Cord Dyers Co., Manchester, England, has declared dividend of 4 per cent for 1926, against 7 per cent in 1925.

## CANADIAN DYE IMPORTS

Imports into Canada of aniline and coal tar dyes during November were as follows: From Britain, 5,351 lbs., value \$4,192; United States, 164,454 lbs., value \$102,602; France, 114,769 lbs., value \$16,917; Germany, 88,836 lbs., value \$60,462; Switzerland, 27,240 lbs., value \$18,644; other countries, 155 lbs., value \$67. Total, 400,805 lbs., valued at \$212,884, as compared with imports during November, 1925, from Britain, 10,000 lbs., value \$5,696; United States, 106,709 lbs., value \$60,065; France, 7,969 lbs., value \$3,547; Germany, 49,058 lbs., value \$38,419; Netherlands, 9,620 lbs., value \$8,414; Sweden, 4,383 lbs., value \$2,095; Switzerland, 15,672 lbs., value \$12,521. Total, 204,011 lbs., valued at \$130,748.

Texas authorities seem to doubt a reduction of more than 10 to 15% in cotton acreage in Southwest for 1927. They state, however, that cotton yield per acre will probably fall below normal, on account of inability of cotton growers to finance extensively especially for fertilizers. Calcium arsenate purchases will probably be at a low level unless an infestation of boll weevil or leaf worm should appear.

Atlas Powder Co. for 1926 shows net earnings of \$2,381,296 after all charges, equivalent after payment of preferred dividend, to \$7.04 on outstanding common shares. This compares with net of \$2,130,535 a year ago. Sales for the twelve months were \$20,454,323.

Willard J. McClements has resigned as chemist for International Harvester Co., Chicago, to accept a position on the research staff of Atmospheric Nitrogen Corp., Solvay, N. Y.

S. W. Allender, formerly purchasing agent of Monsanto Chemical Works, is now assistant to superintendent of the Monsanto acid and intermediate plant at Monsanto, St. Clair County, Ill.

Walter F. Huppke, formerly with U. S. Department of Agriculture, Spokane, Wash., has taken up work with Lazote, Inc., Wilmington, Del., in the catalyst testing department.

Aaron A. Eisenberg, formerly chemical engineer for Hanline Bros., paint manufacturers, Baltimore, is works manager of Stewart-Adams Co., paint manufacturers, Chicago.

## NEW NEWPORT BLUES

Newport Chemical Works, Passaic, N. J., have developed and placed on the market three new colors: Newport Fast Acid Blue SR, Newport Acid Anthraquinone Blue B and Newport Fast Chrome Brown EB. Leaflets describing the properties of these colors and showing their shades on swatches, have been issued by the Newport Company.

Newport Fast Acid Blue SR is recommended for the dyeing of woolen piece goods, yarns, felt, shoddy, etc., in all types of machines. According to the description, it possesses very good general fastness, especially to light, perspiration and salt water. It is said to be of value for shading chrome navies and blacks, also for dyeing wool in union materials from a neutral bath.

Acid Anthraquinone Blue B is said to be distinguished for its excellent fastness to light, pure brilliant shade and excellent level dyeing properties. It is extremely useful, according to the announcement, for dyeing light and medium blues and for combining with other level dyeing acid colors for the production of slates, greens, drabs, etc., on carpet yarns, plush, dress material, knitting yarns, hat felts, etc. It dyes pure silk well from acid baths.

Newport Fast Chrome Brown EB is recommended for dyeing light and medium shades as well as mode shades on wool in all stages of manufacture. It is said to be level dyeing, of good solubility and penetration and to be suitable for all types of dyeing machines, and is further distinguished by excellent general fastness properties.

## COLORS MADE IN JAPAN

Japan's present production of dyestuffs and intermediates is reported by Consul E. R. Dickover, Kobe, to include the following colors: Fourteen factories make 16 acid colors; ten make 5 basic colors, three make 16 chrome colors, three make 18 direct colors, thirteen make 15 sulphur colors, two make 9 oil and lake colors, 1 makes 6 alizarine colors, two make 1 vat color, two make 5 phthalein pinks, one makes 2 textile intermediate colors, six make 9 intermediates.

Names of manufacturers and colors are available at the Department of Commerce, Washington, D. C.

Du Pont employees were held in \$1,000 bail each at South River, N. J., Jan. 25, for theft of paint valued at \$22,000. Two were arrested at Keyport when selling 450 gallons.



### Satisfying the seeker after pure chemicals

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CAUSTIC SODA  
(flaked, solid or liquid)  
CAUSTIC POTASH  
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### KELLOGG & SONS TO MOVE

Spencer Kellogg & Sons New York offices will move May 1 from their present location at 100 East Forty-Second st. to Graybar Building, which will have a forty-foot concourse leading directly into Grand Central Terminal. The Kellogg company, which is capitalized at \$10,000,000, conducts a business that completely encircles the globe. It owns six plants, two in Buffalo, and one each in Edgewater, N. J., Minneapolis, Minn., Superior, Wis., and Manila, P. I. Its mills produce linseed, coconut, Chinawood oil and castor oil.

Officers of Spencer Kellogg & Sons are Howard Kellogg, president; James H. Matthews, vice president, and Edward H. Stichel, secretary and treasurer. Its main office is 98 Delaware ave., Buffalo, N. Y.

Superior Lime & Hydrate Co., Pelham, Ala., will purchase machinery estimated to cost \$50,000.

Iowa Soap Co., Burlington, Ia., will build a three story addition to its plant.

### LIGHT RAYS PLAY TUNE

While Dr. Norman Hillberry sat on one side of the stage in the Engineering Auditorium, No. 29 West 39th Street, and played "Hail, Hail, the Gang's All Here," and "Blest Be the Tie That Binds," his music was carried to the other side of the stage via light rays and amplified for the ears of the New York Electrical Society. It was a demonstration by Dr. E. E. Free of New York University in connection with a lecture on outstanding scientific achievements of 1926. The photo-electric organ was essentially a device whereby light rays are flashed from behind a revolving perforated disk, the impulses being received in a photo-electric cell a distance away to be transformed into tones similar to the pipe organ.

Ethylene glycol and its derivative, ethylene glycol dinitrate, used in explosives, are being studied by the Bureau of Mines. A report on the physical properties of ethylene glycol dinitrate is now nearly complete, including measure of density, vapor pressure, viscosity, freezing point, and heat of combustion.

### Personal and Personnel

E. I. du Pont de Nemours & Co.'s Pigment & Heavy Chemical Division has appointed W. F. Donohoe assistant division manager in charge of operations and sales for acids and heavy chemicals. He will be assisted by R. H. Dufault, sales manager, and John N. Hans, sales manager of Philadelphia District. C. H. Rupprecht has been appointed assistant division manager in charge of operations and sales of lithopone, dry color and pigment business, with G. A. McCorkle sales manager, and L. E. Kelly, sales manager at Chicago.

T. D. Kelley, London chemist, claims to have discovered a new metal that can be made harder than steel or softer than lead. Mr. Kelley, who calls his metal solium, declares it is composed of oxides of the earth's metals. It is impervious to hydrogen, says the discoverer. His twenty years of research leading to the discovery of solium also led, says Mr. Kelley, to the discovery of another new metal, rustless iron.

W. R. Prosch, formerly of Sharples Specialty Co., Philadelphia, will have charge of the Specialty company's business in Chicago, assisted by C. H. Widle. M. J. Hooper will represent the company in the central west with headquarters in Chicago, and H. T. Wilkinson, formerly in Indianapolis, will take charge of the Detroit territory which Mr. Prosch formerly represented.

W. D. Huntington, of Baltimore, who was induced some time ago to accept the presidency of the Colloidal Products Co., of that city, has resigned to devote his entire time to the business of Davison Chemical Co., Baltimore, of which he is a vice-president. C. D. Reeves has been elected to fill the vacancy.

Canadian Pulp and Paper Association's annual convention at Montreal was attended by Norman W. Wilson, president American Paper and Pulp Association; Hugh P. Baker, secretary, and W. G. MacNaughton, secretary Technical Association of the pulp and paper industry.

Alum and chlorine manufacturers and other producers of chemicals used in water purification had representatives at the annual convention of managers and superintendents of water works of Texas, which was held in Dallas, last week.

# [ Markets & Prices ]

## TIN SALT PRICES REVISED DOWNWARD

**Crystals Now 45½c Lb.—Prussiates Firm—Copper Sulfate Shows no Change—Benzene, Solvent Naphtha and Commercial Xylene Weak in Tone—Toluene Strong—Cresylic Acid Steady—Developments in Zinc Chloride**

### Advanced

Chinawood Oil, bbls., spot, ¾c lb.  
Coconut Oil, Ceylon & Manila, coast tanks, ¾c lb.  
Cottonseed Oil, crude, Southeast and Valley, ¾c lb.  
Grease, yellow, ¾c lb.  
Olive Oil, denatured, spot, 5c gal.  
Olive Oil Foots, ship. & spot, ¾c lb.  
Rapeseed Oil, Japanese, spot, 2c gal.

### Declined

Lard Oil, edible prime, ¾c lb.  
Linseed Oil, raw, bbls., 0.1c lb.  
Oleo Oil, No. 2, ¾c lb.  
Tallow, city extra, ¾c lb.  
Glycerin, Dynamite, ¾c lb.  
Tin Crystals, ¾c lb.  
Tin Bichloride, ¾c lb.  
Tin Tetrachloride, ¾c lb.

Industrial chemicals present little that is new. Denatured alcohol remains soft in price but no definite change has been recorded. Other solvents including methanol, are firm and unchanged. Barium salts, copper sulfate, ammonium chloride and bichromates are steady and unchanged in all directions and the movement is of good volume. Prussiates are very firm at last week's advance to 12c lb with domestic makers the only source of supply. Ammonia remains very sharply competitive. Alkalies are also in sharp competition for the less carlot business and prices are being shaded quite generally.

No changes have occurred in the prices or positions of light oil distillates. Benzene is weak with offerings plentiful and readily obtainable at 23c gal. Large offerings of solvent naphtha and commercial xylene are available and it seems that the price could be shaded for business. Pyridine is very weak with shipment openly offered at \$2.25 gal., and a bid of \$2.00 probably acceptable. Naphthalene is easy but firm. Cresylic acid shows no change.

Intermediates are without price change. The movement is satisfactory to sellers and competition has abated largely.

The movement in rosin was again the feature of this group this week, but the market reversed itself and is in much the same position as before the rapid advance of last week. Indications point to recoveries from now until the end of February, for the daily receipts are very small and the shipments large. Turpentine is off a bit this week and does not enjoy as healthy a position as rosin.

The fertilizer position seems a bit better with continued strength noted in dried blood in all quarters and an average movement in tankage and sulfate of ammonia. Nitrate of soda is again neglected, and the scheduled advance is the feature of a quiet week. Tanning ma-

terials continue active and in the case of valonia, unobtainable in any quarter. Carnauba and Japan waxes are still the feature of this group, although Japan continues to decline. Producers of sandarac gum have advanced the shipment price and dealers here have acted accordingly.

## INDUSTRIAL CHEMICALS

**Acid Acetic**—Makers state that market is quite firm with some shading reported in certain territories and in less carlot business.

**Alcohol Denatured**—Market is soft with occasional shading re-

ported but the lower prices are not general.

**Ammonia**—In sharp competition with prices uncertain.

**Barium Chloride**—Remains available at \$61.00 ton from importers and makers.

**Glycerin**—Market is weak with dynamite offered at 25½c lb, and C. P. available at 29c lb.

**Methanol**—Strong but unchanged in price.

**Soda Ash and Caustic**—Spot market for less carlot orders remains unusually competitive.


**Sodium Prussiate**—Makers are firm at last week's advance to 12c lb at works.

**Tin Salts**—Makers have again lowered their prices following further declines in the metal and now quote crystals at 45½c lb, bichloride at 19c lb, and tetrachloride at 38½c lb.

## CRUDES AND INTERMEDIATES

**Benzene**—Market is weak with offerings plentiful at open prices of 23c gal. for both pure and 90%. No strengthening of the market appears likely.

**Cresylic Acid**—Steady as to price despite rather heavy imports.



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**Toluene**—Demand is in excess of production and most producers are sold well ahead. Prices are unchanged.

**Xylene**—Commercial material is available in very large volume and shading of prices appears likely for large business.

## OILS AND FATS

**Castor Oil**—Remains unchanged with the tight position still noted and sales made freely at 14c@14½c lb for No. 1 in bbls.; 15c lb for No. 1 in cases and 13½c @ 14c lb for No. 3.

**Chinawood Oil**—Consuming demand continues fairly good in spite of the advancing market and factors here are taking orders at 16c @ 16¼c lb for barrels on spot. Tanks on the Coast are offered at 14¼c lb for February shipment and 14½c lb for March shipment.

**Coconut**—Tanks of Manila and Ceylon on the Coast are again a shade higher and sales have been made at 8½c@8½c lb. Spot bbls. are also fractionally higher at 9½c @ 9½c lb on a quiet market.

**Corn Oil**—With the continued improving condition of crude cottonseed, corn oil in tanks at the mills is higher this week with offers heard at 7½c lb, mills. Refined oil is unchanged.

**Cottonseed Oil**—While the position of crude oil in all quarters continues to improve, refined oil has eased off a bit and sales last week and early this week did not approach the volume of the previous week. Spot and February refined oil is quoted at 8.50c@8.60c lb. March-June at 8.72c@8.95c lb. Southeast and Valley crude is higher at 7½c lb.

**Greases**—Locally the market presents a better tone and producers have advanced the price on choice white to 10½c lb. Yellow is also higher at 6½c lb; house and brown are unchanged at 6¼c lb and 6¼c lb respectively.

**Lard Oil**—After advancing last week the spot price of edible prime is off again to 15c lb although the demand is still in average volume. Extra is unchanged at 10¼c lb; No. 1 at 10½c lb and No. 2, 10c lb.

**Linseed Oil**—Although the market in bbls. is quoted a shade lower than last week at 10.8c lb the position has firmed and the tendency to cut prices is less noticeable. The primary seed markets are in better shape but consuming demand shows little improvement.

**Neatsfoot Oil**—Continued unchanged at levels prevailing for the past two weeks. The market is steady and sales are being made at 16¼c lb for 20 and C.P.; pure at 12¼c lb; extra at 10¼c lb and No. 1 at 10¼c lb.

**Oleo Oil**—A decline to 8¼c lb for No. 3 is the only price movement this week. No. 1 and No. 2 are unchanged at 10¼c and 9¼c lb, respectively. Demand continues in good volume.

**Olive Oil**—Denatured oil is higher on spot this week with sales made at \$1.45 gal. Even with new crop offerings coming in now the tight position is not expected to ease for some weeks yet. Foots are likewise higher and in small supply at 9¼c lb for new crop shipments and 9¼c lb for spot.

**Palm Oil**—With a routine interest still in evidence there has been no price change and sellers quote 8½c@8½c lb for Lagos and 7½c@7½c lb for Niger, which has a firm undertone.

**Peanut Oil**—Holding well at the level of 15½c@16c lb to which it was recently advanced for refined oil. Crude is named at 10c lb but is practically nominal. Interest is fairly lively.

**Rapeseed Oil**—Importers of Japanese oil have advanced the spot price on higher replacements to 78c@80c gal. English and blown oil are unchanged and rather routine at 82c @ 84c and \$1.00@1.02 gal. respectively.

**Soya Bean Oil**—Tanks on the Coast have been advanced this week to 9½c lb but in other respects the market here and on the Coast is featureless at this writing.

**Tallow**—Producers have reduced the spot price to 7½c@7½c lb although the market is not weak. Sales are in good volume and the market steady.

## NAVAL STORES TRADE

Naval stores exports in January were valued at \$3,861,743 compared with \$1,922,389 for the same month last year. Amounts and values of exports for twelve months follow:

	1925	1926
Total naval stores,		
gums and resins,	\$31,810,192	\$35,864,660
Rosin ..... bbls.	1,174,335	1,094,323
Rosin . . . . .	\$18,888,925	\$24,633,310
Gum spirits of tur-		
pentine . . . . . gals.	11,557,221	11,586,590
Gum spirits of tur-		
pentine . . . . .	\$11,346,464	\$10,636,115
Wood turpentine		
gals.	583,605	685,193
Wood turpentine...	\$430,275	\$530,803
Tar and pitch, wood,		
bbls.	25,044	24,468
Tar and pitch, wood	\$202,490	\$219,644



**NEW POTASH TERMS**

Potash terms made by French Societe Commerciale des Potasses d'Alsace and German Kali-Syndikat have modified. Societe Commerciale to be allotted 50 per cent of foreign orders as soon as they exceed 840,000 tons of pure potash, and in any case in five years at the latest. M. Queuille, minister of agriculture, told the delegates who reported the change in terms that not only France and Germany, but the world in general, would benefit by their endeavors to increase profits, not by raising prices, but by increasing output and distribution.

**FERTILIZER RATES HIGH**

Sixth class rates on fertilizers, in carloads, between points in central territory were not unreasonable in the past but that they are "to be unreasonable for the future," reports Examiner Fuller to Interstate Commerce Commission. He prescribes reasonable rates for the future but denies reparation. The decision was in the case of E. Rauch & Sons Fertilizer Company against Akron, Canton & Youngstown Railway Co.

New fertilizer freight rates in central territory were prescribed by the Interstate Commerce Commission Jan. 17 in a decision on complaint of Ohio Farm Bureau Federation. The scale, subject to a minimum carload weight of 36,000 pounds ranges from 6 cents per 100 pounds for distances of five miles and under to 33.5 cents for 800 miles.

Pratt & Lambert, Buffalo, held a convention of salesmen Jan. 10, at Hotel Statler. The salesmen were addressed by A. D. Graves, president; H. E. Webster, vice-president; R. W. Lindsay, general sales manager; W. P. Werheim, treasurer. Similar meetings were held in Chicago and New York.

William Peterman, Inc., New York, manufacturer of Peterman's roach food, has purchased the Colonial Chemical Corporation, Reading, Pa., maker of Flyosan, Hot Pak and other chemical preparations.

Deane M. Linton is again advertising manager and merchandising counsel of O-Cedar Corp., Chicago. Mr. Linton was recently with Geyer Co., Dayton, O., advertising agency.

**BANKERS BUY PAPER CO.**

Louisiana Pulp and Paper Co. has been sold to Bond & Goodwin, New York bankers, for more than \$8,000,000 cash. The deal was completed at St. Louis Union Trust Co., joint administrator of the St. Louis property of Beggs & Tate, with Richard McCulloch, son-in-law of Beggs and President Louisiana Pulp and Paper Co. McCulloch's three minor children inherited his \$13,000,000 estate.

**TESTING POISONS**

The efficacy of certain animal and vegetable poisons as cures for certain diseases is being tested by students of New York Homeopathic Medical College. These students are taking regular portions of poisons from bees, spiders and four kinds of vegetable poisons to observe their effect.

F. M. Kuhn has resigned as Western division sales manager of Mennen Co., Newark, N. J., effective January 1. Together with George R. Carson, he has formed the Theis Unit Steel Co. of Missouri.

Merck's (Germany) has a business agreement with Junkers Flugzeug Werke A. G. and both concerns are financially interested in combating forest pests in Germany by use of aeroplanes.

W. D. Byron Co., Williamsport, Md., leather tanner, will build one-story addition to its plant, to cost about \$24,000. Improvements will be made, also, in existing tannery.

Protexol Corp., Kenilworth, N. J., manufacturer of creosote paints, will rebuild the portion of its plant destroyed by fire with loss close to \$25,000, including equipment.

Gayer G. Dominick has been elected a director of International Agricultural Corp., replacing D. I. Mackay. Other directors were re-elected.

American Paint Co., Duluth, Minn., will build one-story and basement plant to be 67x-100 ft., to cost approximately \$50,000 with equipment.

Public Health Service reports will hereafter be sent postage prepaid to each subscriber in order to spread information about sanitation.

**SOLVENTS****Butanol****(n-Butyl-Alcohol)****used directly and indirectly in Lacquers****Dibutyl Phthalate****Plasticizer in Lacquers****Butalyle****(n-Butyl Aldehyde)****Rubber Accelerator****Acetone, C. P.****Diacetone-Alcohol****Denatured Alcohol****Commercial Solvents Corporation****Sales Offices:**

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## Soda Ash Caustic Soda Bicarbonate of Soda

Michigan Alkali Co.

General Sales  
Department

### COMMON AND MEDIUM ROSIN REACT SHARPLY DOWNWARD

Spot and Primary Markets Break Sharply—Statistical Position Firm—Receipts Small—Turpentine Off Fractionally—Blood and Sulfate of Ammonia Moving Well—Diphenylguanidine Down—Tanning Materials of Interest

#### Advanced

Albumen, egg, edible, 1c lb. Blood, dried S. Amer., 10c unit. Casein, stand. ground, spot, 1/2c lb.

#### Declined

Carnauba Wax, No. 1 yellow, 5c lb. Rosin, D, \$1.05 280 lbs.  
Diphenylguanidine, 5c lb. Rosin, E, 90c 280 lbs.  
Japan Wax, spot, 2c lb. Rosin, F, 85c 280 lbs.  
Rosin, B, \$1.25 280 lbs. Rosin, G, 40c 280 lbs.

Rosin, H, I, 35c 280 lbs.  
Rosin, K, M, 15c 280 lbs.  
Turpentine, spot, 2c gal.

The local oil market was not marked by the upward trend so apparent in the two previous weeks. There was no sign of weakness but the market was rather dull in all directions. A slight advance in spot Chinawood and the continued tight position of denatured olive oil and foots were of outstanding interest. Linseed oil though quoted a point below last week was not subject to shading and presented a firmer aspect. Crude cotton oil in the valley and Southeast is holding up well. Refined cotton oil is quiet and easier on a falling off in sales. Animal oils and fats are passing through an uneventful week with but a few minor changes and a fair movement to consumers hands. In most quarters Japanese rapeseed oil has advanced on spot.

**Albumen**—Importers of edible egg have advanced the price 5c lb and now quote 85c@90c lb on spot. The Chinese market is firmer and the inquiry here continues in good volume. Blood is moving fairly well at 45c@55c lb as to seller and quantity.

**Ammonium Sulfate**—With most of the resale offerings disposed of the schedule price of \$2.50 100 lbs. is now more effective and sales are being made, particularly in the South, in good volume.

**Blood**—An advance in the price of South American blood for shipment is the only price change of the current week. Both New York and Chicago are able to supply stocks in limited quantities and the prices of \$4.00 unit and \$4.60 unit at these points are well maintained.

**Bone Meal**—Shows no change this week with sellers of both domestic and imported holding for the price asked. The movement is fair.

**Carnauba Wax**—The shortage of No. 1 yellow and No. 2 regular is again acute and while prices at the moment are off from last week quotations, the spot position is very firm. No. 1 yellow is quoted in very limited quantities at 65c@67c lb. The lower grades are unchanged.

**Casein**—Leading importers advanced their price last week on standard ground to 16c@16 1/4c lb, New York. Higher replacements in Argentina and an improved demand contributed to the increase.

**Cottonseed Meal**—Sellers advanced the price on all grades last week and now quote: 36%, \$28.50 ton; 41%, \$31.00 ton; 43%, \$32.00 ton.

**Divi Divi**—There has been no change in the position. Tanners are showing interest, but not much business is being done at the current level of \$47.00@\$48.00 ton.

**Egg Yolk**—Factors here are unable to get replacements from abroad and are holding the price at 72c@75c lb, which price is practically nominal as stocks are in very small supply here.

*Coast to Coast Producing Points*



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Ammonia-Benzol Department

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New York, N. Y.

*Coast to Coast Distributing Points*



**Gum Damar**—Batavia splinters and dust and Singapore No. 2 have advanced as follows: Batavia splinters, 12c@13c lb; Batavia dust, 10½c @11½c lb; Singapore No. 2, 22½c @23½c lb. Increased replacements caused the advance.

**Gum Sandarac**—Importers have advanced the price here 2c lb to 27c@28c lb. At the former levels the producers claim they were unable to employ labor without losing money, and the shipment price was advanced accordingly.

**Japan Wax**—Average demand noted with sales this week at 23c@24c lb on spot as to seller. It is reported that the Japanese market is very firm and will probably advance.

**Lead**—Red lead and litharge are unchanged since the recent reduction to 10½c lb for red lead and 10¼c lb for litharge.

**Mangrove Bark**—Steady and unchanged at \$38.00 ton for shipment offerings.

**Rosins**—The strong statistical position should soon reflect on this market, but current quotations represent quite a drop from those of last week in the common and medium grades. Inquiry is light. Quotations are: B, \$11.75; D, \$11.95; E, \$12.25; F, \$12.35; G, \$12.85; H, \$12.95; I, \$13.00; K, \$14.65; M, \$14.85; N, \$15.85; WG, \$16.60; WW, \$18.55.

**Sodium Nitrate**—Effective Tuesday the price was advanced to \$2.64 100 lbs. Demand has settled to routine inquiry again although the tendency to shade prices for business is absent.

**Toners**—Continue to move the best of the dry colors and sellers are making sales on all grades at their asking price.

**Turpentine**—Lower by 2c gal. this week and quoted at 79c@84c gal. Consumers are holding off from buying and the demand is light. The primary markets are in much the same position.

(Special to CHEMICAL MARKETS)

Savannah, Ga., January 31—Turpentine closed the week firm at 75c gal. with offerings of 57 bbls. sold to one buyer. It is believed here that the market will continue firm at the present level for an indefinite period because it seems unlikely that there is much turpentine that can be bought at lower figures. However the future prices will be regulated by the amount offered for sale and should there be any large holdings turned loose the price may decline until the surplus goods are disposed of. Receipts last week

were 452 bbls.; sales reported 324 bbls.; shipments, 947 bbls.; Savannah stocks, 9,772 bbls.

The rosin market was posted as firm on Saturday with the offerings of 776 bbls. sold to one buyer. Prices fluctuated last week and the market shows declines on medium and common grades. There was a better demand Friday and Saturday and it is expected to continue this week. Advances are looked for in G and above and possible declines in the lower grades. The stocks of rosin now at the various ports and in the woods are smaller than they have been in several years. Further large shipments are to be made and this should cause an advance late in February. Receipts last week were 2371 bbls.; sales, 2178 bbls.; shipments, 7406 bbls. and stocks, 70,182 bbls. Current quotations are: B, \$10.40; D, \$10.60; E, \$10.90; F, \$11.00; G, \$11.25; H, \$11.55; I, \$11.60; K, \$13.05; M, \$13.25; N, \$14.25; WG, \$15.00; WW, \$15.00.

Jacksonville, Fla., Jan. 29—Turpentine closed today quiet and unchanged at 75c gal. Offerings of 62 bbls. were unsold and no bids. Rosins closed firm on sale of 1057 bbls. to two buyers. Local stocks are: turpentine, 28,323 bbls.; rosin, 77,436 bbls.

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## Du Pont and Subsidiaries Earn \$13.98

Income From Operations \$28,511,847, From Investments \$14,803,724—Gross Assets, \$322,583,674—Du Pont Holdings in General Motors 22.94 Per Cent of Entire Common Stock—Sales of Duco Increase—Development of Dyestuffs Department—Rayon, Cellophane, Pyralin Plastics, Alcohol, Anhydrous Ammonia—Research Work

E. I. du Pont de Nemours & Co.'s volume of business for 1926 was 14% greater than in 1925. The financial statement shows as separate items income from operations amounting to \$28,511,847.05 and from investments \$14,803,724.59. The income account, after deductions for federal taxes and interest on funded debt, shows net income of \$41,969,574.10, equal to 8.8 times the debenture stock dividend for the year. After making provision for the dividends on the debenture stock, the amount remaining of \$37,199,164.45 is equal to \$13.98 per share on the no par value common stock outstanding at the end of the year.

Net income includes a non-recurring item of approximately \$2,000,000, representing interest on refund of over-paid federal taxes finally adjusted during the year. It includes also \$6,654,145, representing the company's portion of extra dividend declared by General Motors Corp.

in November, 1925, and paid Jan. 7, 1926. It does not include \$7,984,976, representing the company's portion of extra dividend declared by General Motors Corp. in November, 1926.

Total current assets, as of December 31, amounted to \$73,834,552.55, which included \$17,307,028.11 cash and \$18,364,816 in marketable securities and call loans; whereas, total current liabilities amounted to \$14,534,540.75, being 20% of current assets or a ratio of current assets to current liabilities of 5 to 1. Total investments of the company, which represent its holdings of General Motors stock, securities of controlled companies not consolidated, and miscellaneous securities, are carried at an aggregate of \$145,459,122.16. Total gross assets of the company amount to \$322,583,674.00.

Sales of Duco, the new pyroxylin finish, increased substantially and its field is constantly broadening beyond the automobile trade, where it was first applied, into the finishing of furniture, railroad equipment and many other lines.

Development of important new colors and shades has added materially to the company's dyestuffs business. Manufacture of tetraethyl lead was resumed during the year to supply the requirements of the Ethyl Gasoline Corporation. This product is sold by Ethyl Gasoline Corp. to various oil companies, which by mixing it with gasoline, produce an improved anti-knock fuel known as "Ethyl Gasoline."

Sales of rayon by the Du Pont Rayon Company materially exceeded those for the previous year. Sales of Cellophane were nearly double those of the previous year. Sales of motion picture film manufactured by Du Pont Pathe Film Manufacturing Corp. increased over the previous year. Du Pont Viscoloid Co. manufacturing and selling Pyralin plastics, sheets, rods, and tubes, and articles manufactured therefrom, has enjoyed a successful year.

Eastern Alcohol Corp., owned jointly by Du Pont and Kentucky Alcohol Corp., completed during the year the construction of its plant at Deepwater Point, N. J., for the manufacture of industrial alcohol from molasses. Canadian Explosives, Limited, and its allied companies, which, in addition to explosives, manufacture and sell Duco, paints

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Philadelphia, Pa., 800 N. Delaware Ave.  
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and varnishes, Fabrikoid, Pyralin, throughout Canada and Newfoundland, had a prosperous year. Compania Mexicana de Explosivos, owning and operating a high explosives plant in Mexico, and Compania Sud Americana de Explosivos, which owns and operates a high explosives plant in Chile, both made progress during the year.

Construction of a plant by Lazote, Inc., near Charleston, W. Va., for the production of ammonia from nitrogen of the air under the Claude patents, was completed and began operation in April. Since the Claude process produces directly pure anhydrous ammonia, preeminently suited to the requirements of the refrigerating trade, it was considered inevitable and desirable that Lazote, Incorporated, should participate promptly in that field. Accordingly, it was decided to associate with National Ammonia Co., Inc., of St. Louis and Philadelphia, which, together with its allied companies, have been for many years the largest suppliers of anhydrous ammonia to the refrigerating trade, and have been engaged in other branches of the ammonia business. The interests of du Pont and National Ammonia Co., Inc., were brought together through a holding corporation, Du Pont National Ammonia Co.

The report stresses the importance of chemical research.

Pratt & Lambert, Inc., report for year ended Dec. 31, net profit \$1,339,503 after interest, depreciation, federal taxes and reserves, equal to \$6.61 a share earned on 202,500 shares of no par stock. This compares with \$1,336,657, or \$6.60 a share, in 1925. Balance sheet Dec. 31, shows total assets \$6,872,952. Current assets, \$4,241,296 and current liabilities, \$972,274. Profit and loss was \$2,199,678.

Devoe & Reynolds Co. reports for the year ended Nov. 30, net profit of \$900,055, after depreciation, Federal taxes and other charges, equal, after preferred dividends, to \$5.22 a share on combined 95,000 class A and 40,000 class B shares outstanding. This compares with \$698,018, or \$3.69 a share in the preceding year. Net sales were \$11,374,206, against \$11,304,161 in the year before. Surplus was \$380,601.

United States Gypsum Co. stockholders at annual meeting Feb. 9 will vote on proposal to increase authorized common stock to \$25,000,000 from \$15,000,000.

# OFFER FERTILIZER BONDS

Montecatini company of Italy is offering \$10,000,000 in ten-year sinking fund 7 per cent gold debenture bonds. Full name of the company is Societa Generale per L' Industria Mineraria ed Agricola and with its affiliated companies is the largest manufacturer of chemical fertilizers and allied products in Italy and one of the largest in the world, as well as the largest producer in Italy of sulfuric acid, copper sulfate, nitric acid, nitro cellulose, dynamite and gunpowder, and chemical raw materials for the artificial silk industry.

International Combustion Engineering Corp. for 1926, reports net earnings of about \$2,200,000, compared with \$1,124,069 for 1925. "These earnings were made in the face of an almost complete shutdown in England the last six months of the year while the coal strike was in force," the report says.

American Metal Co. has declared 75 cents quarterly on common stock, together with quarterly payment of \$1.75 a share on preferred. The quarterly dividend on common has been \$1.

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# Import Manifests

## IMPORTS AT NEW YORK Jan. 25 to Feb. 1

**ACETYL**, Formate, 1 cs., Kuttroff, Pickhardt & Co., Rotterdam

**ACIDS—Acetic Anhydride**, 102 bottles, R. W. Greeff & Co., Rotterdam; **Formic**, 70 balloons, R. W. Greeff & Co., Rotterdam; **Stearic**, 254 bgs., O. Murray & Co., Rotterdam; **Succinic**, 28 bbls., Goldman, Sachs & Co., Hamburg; **Tartaric**, 150 bbls., H. Hinrichs & Co., Rotterdam; 125 bbls., H. Hinrichs & Co., Rotterdam

**ALBUMEN—Egg**, 30 cs., Stanley, Jordan & Co., Shanghai; 30 cs., French, Kreime & Co., Shanghai; 39 cs., Wood & Seick, Shanghai; 43 cs., Order, Shanghai

**ALBUMEN—56 cs.**, B. P. Ducas & Co., Shanghai; 61 cs., Brown Bros. & Co., Shanghai

**ALCOHOL—Denaturad**, 25 drs., C. Esteve, Arecibo; **Methy.**, 1 tin Kuttroff, Pickhardt & Co., Rotterdam; 353 drums, Kuttroff, Pickhardt & Co., Rotterdam

**ALIZARIN—3 cs.**, General Dyestuff Corp., Rotterdam; 1 cs., General Dyestuffs Corp., Rotterdam

**AMMONIUM SALTS—Bicarbonate**, 25 cs., Kuttroff, Pickhardt & Co., Rotterdam; **Muriate**, 120 cs., Kuttroff, Pickhardt & Co., Rotterdam; **Nitrate**, 297 cs., R. W. Greeff & Co., Oslo

**ANTIMONY—Oxide**, 1 bag, C. Hardy, Inc., Shanghai; 250 bgs., Wah Chang Trdg. Co., Shanghai; **Regulus**, 500 cs., Wah Chang Trdg. Co., Hankow; 500 bgs., W. R. Grace & Co., Shanghai; 250 cs., F. Cundill & Co., Shanghai; 250 cs., Wah Chang Trdg. Co., Shanghai

**ARSENIC—634 lbs.**, American Smelt. & Refining Co., Tampico

**BARIUM—Chloride**, 60 cs., Th. Goldschmidt, Inc., Rotterdam; 60 cs., Th. Goldschmidt, Inc., Rotterdam; **Oxide**, 1 cs., Oakland Chem. Co., Rotterdam; **Rohschwefel**, 4 cs., Oakland Chem. Co., Rotterdam

**BARYTES—1,000 bgs.**, Smith Color & Chem. Co., Genoa; 1,500,000 kilos, Ore & Chemical Corp., Rotterdam; 250 bgs., Smith Color & Chem. Co., Rotterdam

**BERLIN BLUE—10 cs.**, Fezandie & Sperrle, Rotterdam

**BLEACHING POWDER—40 cs.**, H. Kohnstamm, Liverpool; 50 cs., H. Kohnstamm, Liverpool

**BUTYL—Acetate**, 100 drs., Kuttroff, Pickhardt & Co., Rotterdam

**BUTYLAMINE—1 cs.**, Kuttroff, Pickhardt & Co., Rotterdam

**CASEIN—417 bgs.**, A. Klipstein & Co., Buenos Aires; 2,085 bgs., T. M. Duche & Sons, Buenos Aires; **Glue**, 5 kgs., H. Lange, Rotterdam

**CASTOR MEAL—1 cs.**, Baker Castor Oil Co., Southampton

**CHALK—500 tons**, Taintor Trdg. Co., Southampton; 2,225 bgs., National City Bank, Antwerp

**CHEMICALS—20 cs.**, Lo Curto & Funk, Hamburg; 12 cs., General Dyestuff Corp., Rotterdam; 194 bgs., Rhodia Chem. Corp., Rotterdam; 70 cs., H. Hinrichs Chem. Corp., Rotterdam; 10 cs., Pfaltz & Bauer, Rotterdam; 28 cs., Hummel & Robinson, Rotterdam; 3 cs., Lo Curto & Funk, Antwerp; 150 cs., F. V. Gusten, Rotterdam; 50 cs., 80 balloons Roessler & Hasslacher, Chem. Co., Rotterdam; 98 cs., A. Klipstein & Co., Rotterdam; 368 cs., Roessler & Hasslacher Chem. Co., Rotterdam; 98 cs., A. Klipstein & Co., Rotterdam; 368 cs., Roessler & Hasslacher Chem. Co., Rotterdam; 1 carboy, Parke, Davis & Co., Rotterdam; 43 cs., Hummel & Robinson, Rotterdam; 5 cs., Pfaltz & Bauer, Rotterdam

**CHROME ALUM—13 cs.**, General Dyestuff Corp., Rotterdam

**CLAY—Basic**, 332 bgs., Stumpp & Walter Co., Antwerp; **Bunt**, 1,000 bgs., H. A. Robinson & Co., Manchester

**COAL TAR DISTILLATE—88 drs.**, W. A. Foster & Co., Liverpool; **Products**, 82 cs., General Dyestuff Corp., Rotterdam; 1 cs., 10 cs., General Dyestuff Corp., Rotterdam

**COLORS—4 cs.**, M. J. Corbett & Co., Rotterdam

dam; 14 cs., C. J. Osborn & Co., Rotterdam; 8 pkgs., A. Hurst & Co., Hamburg; 27 cs., General Dyestuff Corp., Rotterdam; 3 bbls., Equit. Trust Co., Antwerp; 10 cs., Order, Hamburg; 7 cs., 131 cs., General Dyestuff Corp., Rotterdam; **Aniline**, 16 cs., Geigy Co., Hamburg; 11 cs., General Dyestuff Corp., Hamburg; 1 bbl., American Exchange-Irving Trust Co., Antwerp; 13 bbls., National City Bank, Antwerp; **Bronze**, 3 cs., Gallagher & Ascher, Hamburg; 16 cs., Order, Hamburg; **Coal Tar**, 190 cs., General Dyestuff Corp., Rotterdam; 24 cs., General Dyestuff Corp., Rotterdam; 36 cs., General Dyestuff Corp., Rotterdam; 11 cs., General Dyestuff Corp., Rotterdam; **Earth**, 22 cs., R. Faust, Rotterdam; 26 cs., F. V. Gusten & Co., Rotterdam

**COPPER Oxide—1 keg**, Eimer & Amend, Hamburg

**DIETHYL—Sulfate**, 9 drs., Kuttroff, Pickhardt & Co., Rotterdam

**EGG YOLK—53 cs.**, French, Kreime & Co., Shanghai; 55 cs., Bridges, Neumer & Co., Taku Bar; 55 cs., French, Kreime & Co., Taku Bar

**EXTRACTS—Lagwood**, 13 bbls., 2 boxes, Domingo Dyewood Co., Monte Cisti; **Mangrove Bark**, 500 bgs., Order, Singapore

**GELATINE—119 bbls.**, H. A. Sinclair, Rotterdam; 23 cs., P. C. Zuhlke, Rotterdam; 50 cs., P. Puttmann, Rotterdam; 45 bbls., 25 kgs., H. A. Sinclair, Rotterdam; 73 bgs., 50 bbs., Order, Marseille; 24 cs., W. E. Miller, Havre

**GLUE—102 cs.**, Miller & Cognet, Antwerp; 30 bbls., 8 cs., Miller & Cognet, Antwerp

**GLUE STOCK—63 bbs.**, Order, Rotterdam

**GLYCERINE—20 drs.**, Marx & Rawolfe, Antwerp; 50 drs., Guaranty Trust Co., Liverpool; 10 drs., Chemica Nat. Bank, Rotterdam; 58 drs., Procter & Gamble, Havana

**GUMS—64 bgs.**, Baring Bros. & Co., Singapore; **Benzoin**, 73 bgs., F. B. Ross & Co., Singapore; **Chicle**, 185 bgs., Chicle Development Co., Vera Cruz; **Copal**, 183 bgs., Central Union Trust Co., Manila; 192 bgs., L. C. Gillespie & Sons, Singapore; 244 bgs., Central Union Trust Co., Manila; 483 bgs., Brown Bros. & Co., Antwerp; 150 bgs., W. Schall & Co., Antwerp; 500 bgs., Kidder, Peabody Acceptance Corp., Antwerp; 594 bbs., Brown Bros. Co., Antwerp; 281 bgs., Chemica Nat. Bank, Antwerp; 637 bgs., Order, Antwerp; **Damar**, 198 bgs., Brown Bros. & Co., Singapore; 210 bgs., 50 cs., Baring Bros. & Co., Singapore; 4.0 bgs., 50 cs., Order, Singapore; 50 cs., Baring Bros. & Co., Singapore; 64 bgs., G. W. S. Patterson, Singapore; **Guaiac**, 3 bgs., Ricat & Co., Santo Domingo; **Hashab**, 200 bgs., T. M. Duche & Sons, Port Sudan; 250 bgs., Fidelity International Trust Co., Port Sudan; 100 bgs., Barclays Bank, Port Sudan; **Karaya**, 439 bgs., Frank Vliet Co., Bombay; **Sandarac**, 49 bbls., S. Winterbourne & Co., Casablanca; 47 bbls., G. H. Lincks, Casablanca; **Tragacanth**, 8 cs., A. D. Isbetcher, Constantinople; 35 bgs., Frank Vliet Co., Bombay

**HYDROSULFITE—50 cs.**, H. A. Metz Laboratories, Rotterdam

**INDIGO—1 cs.**, General Dyestuff Corp., Rotterdam

**INTERMEDIATES—20 cs.**, H. A. Metz Laboratories, Rotterdam

**IRON ORE—Ground**, 160 bbs., J. L. Smith & Co., Malaga; 100 bbs., E. M. & F. Waldo, Malaga; 101 bbls., C. K. William, Malaga; 12 bbls., Reichard Coulston, Malaga

**IRON OXIDE—100 bbls.**, C. J. Osborn & Co., Malaga; 25 bbs., Oruc, Malaga; 3 cs., Reichard Coulston, Liverpool; 13 cs., E. L. Bullock & Co., Liverpool; 30 cs., J. Lee Smith & Co., Liverpool; 12 cs., E. M. & F. Waldo, Liverpool

**LEAD—Nitrate**, 10 cs., Innis, Speiden & Co., Rotterdam

**LIME—Chlorinated**, 50 cs., H. Kohnstamm, Liverpool

**LITHOPONE—600 cs.**, Benj. Moore & Co., Rotterdam; 10 cs., P. Ulrich & Co., Rotterdam; 25 cs., Whittaker, Clarke &

## Heavy Chemicals and Other Industrial Raw Materials.

Daniels, Inc., Rotterdam; 500 cs., Benj. Moore & Co., Rotterdam

**MAGNESIA—Calcined**, 20 cs., Schofield, Donald & Co., Manchester; **Metal**, 1 cs., Kuttroff, Pickhardt & Co., Hamburg; **Oxide**, 10 cs., Eimer & Amend, Hamburg

**METACHROME OLIVE POWDER—2 cs.**, General Dyestuff Co., Liverpool

**METHYLETHYL KETONE—1 drs.**, R. W. Greeff & Co., Rotterdam

**MYROBALANS—3,000 pkts.**, Procter & Ellison, Calcutta; 1,400 pkts., Bingham & Co., Calcutta; 600 pkts., Standard Bank of South Africa, Calcutta

**NAPHTHALENE—495 bgs.**, A. Kipstein & Co., Antwerp

**NICKEL SULFATE—15 cs.**, Order, Liverpool

**OCHRE—38 cs.**, J. Lee Smith & Co., Marseilles; 280 cs., Reichard Coulston, Inc., Marseilles; 80 cs., Scott L. Libby, Marseilles; 60 cs., Wishnick-Tumpeur & Co., Marseilles; 23 bbls., C. J. Osborn, Malaga

**OILS—Cocnut**, 1,132 tons, Procter & Gamble, Manila; 1,005 tons, Spencer Kellogg & Sons, Manila; 880 tons, Spencer Kellogg & Sons, Manila; **Cod**, 200 drs., Mitsui & Co., Yokohama; 300 cs., National Oil Products Co., St. Johns; 30 cs., R. Badcock Co., St. Johns; 100 cs., Cook, Swann & Young, St. Johns; 60 cs., Order, Oslo; 9 cs., E. L. Lanig, St. Johns; **Cod Liver**, 100 bbls., P. R. Dreyer, Oslo; 185 bbls., Order, Oslo; 50 bbs., W. Benkert, Bergen; 40 bbls., R. Badcock & Co., Liverpool; 250 bbls., E. R. Squibb & Sons, St. Johns; 13 bbs., Mead, Johnson & Co., St. Johns; **Olive**, 500 cs., J. F. Roncalo, Genoa; 100 cs., P. Pastene, Genoa; 100 cs., J. Garneau & Co., Genoa; 100 cs., E. Cristani, Genoa; 300 cs., G. Matalone & Co., Leghorn; 250 cs., Italo-French Products Co., Leghorn; 75 cs., J. Personeni, Leghorn; 50 cs., Crisi & Cerrione, Leghorn; 555 cs., J. P. Smith & Co., Marseilles; 100 d.s., Lekas & Drivas, Malaga; 50 cs., R. H. Macy & Co., Marseilles; 275 cs., J. P. Smith & Co., Marseilles; 200 cs., W. A. Taylor & Co., Barcelona; 53 cs., C. C. Ryder & Co., Barcelona; **Palm**, 343 pkgs., Niger Co., Africa; **Rape**, 285 drs., Mitsui Bussan Kaisha, Kobe; 575 drs., Mitsui & Co., Kobe; **Wood**, 150 cs., K. Mertig, Shanghai; 54 bbs., Mitsui Bishi Shoji Kaisha, Hongkong

**OSSEINE—752 bgs.**, American Glue Co., Marseilles; 500 bgs., Order, Marseilles

**POTASSIUM SALTS—Dopptholen Saur**, 10 cs., Rhodia Chem. Co., Rotterdam; **Muriate**, 200 bgs., French Potash Syndicate, Antwerp

**QUICKSILVER—300 flasks**, Haas Bros. Alicante; 90 flasks, H. W. Peabody & Co., Alicante; 200 flasks, Order, Alicante; 10 flasks, Haas Bros., Tampico

**ROTTENSTONE—20 cs.**, R. J. Waddell & Co., Manchester

**SAL AMMONIAC—133 cs.**, Superfos Corp., Inc., Rotterdam

**SHELLAC—300 bgs.**, E. D. Sassoon & Co., Calcutta; 975 bgs., Ralli Bros., Calcutta; 100 bgs., Becker, Gray & Co., Calcutta; 100 bgs., E. D. Sassoon & Co., Calcutta; 100 bgs., J. F. Greene & Co., Calcutta; 128 cs., C. F. Gerach, Calcutta; **Garnet**, 225 bgs., H. W. Peabody & Co., Calcutta; **Seedlac**, 400 bgs., Mitsui & Co., Calcutta; 100 bgs., Becker, Gray & Co., Calcutta; **Sticklac**, 64 cs., Innes & Co., Singapore; 29 bgs., E. S. Parkes Shellac Co., Singapore

**SODIUM SALTS—Acetate Anhydrous**, 78 cs., General Dyestuff Co., Rotterdam; **Nitrate**, 411 bgs., R. W. Greeff & Co., Rotterdam; 954 bgs., W. R. Grae & Co., Iquique; 50 cs., Kuttroff, Pickhardt & Co., Rotterdam; **Phosphate**, 10 cs., Order, Rotterdam; **Sulfate**, 15 bbls., W. Van Doorn, Rotterdam

**SOAP—500 cs.**, J. P. Smith & Co., Marseilles; 10 cs., Yardley & Co., Southampton; 100 cs., F. De Luze & Co., Genoa; 195 cs., Equit. Trust Co., Barcelona

**SOOT—25 cs.**, Reichard Coulston, Inc., Rotterdam

**SULPHUR**—200 cks., Heemsoth Basse Co., Bordeaux  
**ROSIN**—23 bbls., Domingo Naval Stores Corp., Monte Cristi

**TARTAR**—646 bgs., C. Pfizer & Co., Marseilles; 1,052 bgs., Tartar Chem. Works, Marseilles; 38 bgs., W. R. Grace & Co., Valparaiso

**TERPINYL ACETATE**—3 cs., Order, Hamburg

**VALONIA**—1,375 bgs., J. A. Barkey, Constantinople; 3,388 bgs., Order, Chanak

**WAX**—9 bgs., W. R. Grace & Co., Ta'cahuano; 3 bgs., National City Bank, Azua; 15 bgs., J. J. Julia & Co., Azua; 22 bgs., Selma Mercantile Corp., Azua; 22 bgs., Mecke & Co., Azua; 5 bgs., J. J. Julia & Co., Azua; 12 sercons, J. J. Julia & Co., Monte Cristi; Bees, 12 bb's., Order, Havana; 66 bgs., Brown Bros. & Co., Alexandria; 22 bgs., Order, Havana; 13 bgs., Co. Exportadore de Tampico, Tampico; 90 bgs., Bank of N. Y. & Trust Co., Constantinople; 37 bgs., First Nat. Bank of Boston, Constantinople; 135 bgs., Order, Constantinople; 10 bgs., D. Steengrafe, Ponce; Candeilla, 35 bgs., C. W. Jacobs & A'ison, Tampico

**WOOD FLOUR**—400 bgs., Order, Rotterdam  
**ZINC**—Chloride 1 cs., Eimer & Amend, Hamburg; Oxide, 25 cks., African Metals Corp., Rotterdam; 50 bbls., Reichard Coulston, Inc., Antwerp; White, 30 drs., Order, Liverpool

## IMPORTS AT PHILADELPHIA

Jan. 19 to 26

**ACID**—Oxalic, 45 cks., Order, Rotterdam

**AMMONIA**—Muriate, 20 cks., Order, Rotterdam

**AMMONIUM**—Oxalate Crystals, 1 cs., Harshaw, Fuller & Goodwin Co., London

**BONES**—178 bgs., Order, Manchester; 322 bgs., Order, Liverpool

**CELLULOSE**—Sulfate, wet, 1,610 bls., Order, Kotka; 2,545 bls., Kotka; Sulfite, 832 bls., Order, Heisingfors; 2,400 bls., Order, Kotka

**CHEMICALS**—109 drs., Chase Nat. Bank, Rotterdam; 160 balloons, Roessler & Hasslacher Chem. Co., Rotterdam; 30 cks., Roessler & Hasslacher Chem. Co., Rotterdam; 31 drs., Order, Rotterdam; 161 drs., E. H. Bailey & Co., London; 300 kgs., Order, Bremen; 10 bbls., Order, Bremen

**CLAY**—Ball, 792 tons 14 cwt. Various consignees, Fowey; China, 2,950 tons 19 cwt. Various consignees, Fowey; 4,104 tons 7 cwt. Various consignees, Fowey; 25 tons, Various consignees, Fowey

**FLOUR**—Taploca, 1,643 bgs., Perkins Glue Co., Batavia; 1,075 bgs., Phi'a-Girard Nat. Bank, Batavia; 1,071 bgs., Trademans Nat. Bank, Batavia; 510 bgs., Guaranty Trust Co., Batavia

**FLUORSPAR**—500,000 kilos, Order, Bremen

**FUSTIANS**—56 bls., Equit. Tr. Co., Bremen

**GLUE**—300 bgs., Order, Rotterdam

**GLYCERINE**—100 cks., Heuless Powder Co., Rotterdam

**GUM**—Copa, 812 bsks., Franklin Fouth St. Nat. Bank, Massar

**LIME**—Chlorinated, 25 cs., Ze'ner Bros., Liverpool

**LOGWOOD & LOGWOOD ROOTS**—150 tons, American Dyewood Co., Cape Haytien; 240 tons, American Dyewood Co., Go-naives

**MOLASSES**—850,000 ga's., Lowry & Co., Inc., Antila; Blackstrap, 585,829 gals., North American Trading & Import Co., Havana; Centrifugal, 336,196 gals., Furness, Withy & Co., Ltd., Port Tarafa; Final, 1,060,000 gals., Furness, Withy & Co., Ltd., Antila

**MYRABOLANS**—1,300 pkets., Standard Bank of So. Africa, Ltd., Calcutta; 3,225 pkets., Order, Calcutta

**OIL**—Haarlem, 0 drs., H. R. Lathrop & Co., Inc., Rotterdam; Olive, 1,000 cs., Order, Leghorn; 10 cs., Order, Marseilles; Pa'm, 77 cks., Laving Shipping Co., Bremen

**ORE**—Chrome, 1,800 tons, Order, Aghia Marina; Iron, 7,150 tons., Phila-Girard Nat. Bank, Bizeta

**OSSEINE**—1,058 bgs., Order, Havre

**PAPRIKA**—250 bgs., F. B. Vandegrift & Co., Alicante; 50 bgs., R. F. Downing & Co., Alicante; 100 cs., R. F. Downing & Co., Alicante

**ROOT**—Licorice, 2,212 bls., MacAndrews & Forbes Co., Tarragona

**SODIUM**—Citrate, 1 cs., Koons, Wilson & Co., Liverpool

**SHELLAC**—800 bgs., Order, Calcutta

## IMPORTS AT BOSTON

Jan. 22 to 29

**ACID**—Formic, 80 cbys., Order, Hamburg

**BARIUM**—Chloride, 43 cks., Order, Hamburg

**CHEMICALS**—11 bbls., Order, Hamburg; 617 cks., A. Klipstein Co., Bremen; 250 bgs., A. Klipstein Co., Bremen; 10 bb's., American Express Co., Liverpool

**COLORS**—Aniline, 12 cks., Dyestuffs Corp. of America, Liverpool; 10 kgs., Dyestuffs Corp. of America, Liverpool; 1 cs., Dyestuffs Corp. of America, Liverpool

**DEXTRINE**—25 kgs., Borden & Remington, Manchester

**EPSOM SALTS**—500 bgs., Order, Hamburg

**EXTRACT**—Quebracho, 1,029 bgs., Shawmut Corp., Buenos Aires; 4,104 bgs., International Products Corp., Buenos Aires

**GLAUBER SALTS**—1,000 bgs., Order, Hamburg; 500 bgs., R. & H. Chemical Co., Hamburg; 750 bgs., Order, Hamburg

**GLUE**—100 b's., National Gum & Mica Co., Liverpool; 200 bgs., J. A. Conkey Co., Liverpool

**GUM**—Gatto (Powdered) 10 bgs., Judson Freight Forwarding Co., Liverpool

**KALINIT**—1,000 bgs., Potash Importing Corp., Hamburg

**KALIUM**—Chlorate, 300 cks., Seaboard National Bank, Hamburg

**OIL**—Cod, 70 cks., C. S. Hyman & Co., St. Johns; 100 cks., Wm. Litchfield, St. Johns; 200 cks., F. W. Damon & Co., St. Johns; 75 bbls., Breadmore & Co., St. Johns; 29 cks., Marden Wild Corp., Halifax; 71 bbls., Marden Wild Corp., Halifax; 27 drs., Marden Wild Corp., Halifax; 163 bbls., Order, Halifax; 6 cks., Jos. No wood, Halifax; 300 cks., Salem Oil & Grease Co., Oslo; Cod Liver, 35 bb's., Salem Oil & Grease Co., Oslo; 180 bbls., Marden Wild Corp., Oslo; 100 bb's., McKesson & Robbins, Stavanger; 100 bbls., Gane & Ingram, Stavanger; 100 bbls., Carleton & Hovey, Stavanger; Pa'm, 34 cks., African & Eastern Trading Co., Hamburg; 54 cks., Niger Co., Liverpool; S.d, 20 cks., Order, Liverpool

**OTHER**—62 cks., Reichard Coulston Co., Marseilles

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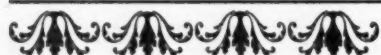
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POTASH—Caustic, 20 drs., Superfos Cq., Hamburg; Sulfate, 350 bgs., Manahan Chemical Co., Bremen  
REFUSELAC—550 bls., Order, Calcutta  
SALAMMONIAC—33 cks., Order, Hamburg  
SEEDLAC—325 b's., Order, Calcutta  
STICKLAC—25 double bgs., E. S. Parks Shellac Co., Singapore  
SODIUM—Su. phate, 250 bgs., Order, Hamburg  
TRAGASOL—10 bbls., J. P. Marston & Co., Liverpool  
WOOL GREASE—500 bb's., Brown Bros., Bremen

### IMPORTS AT BALTIMORE

January 21 to 27

AMMONIA—Nitrate, 190 cks., 49 tons, R. W. Greeff & Co., New York, Louisiana, Oslo  
CHEMICALS—5,500 bgs., Paul Uhlich & Co., Inc., New York, Boschdijk, Rotterdam; 500 bgs., Paul Uhlich & Co., Inc., Boschdijk, Rotterdam; 103 bgs., F. H. Shalus Co., Boschdijk, Rotterdam  
CLAY—50 cks., Roessler, Hasslacher Chemical Co., Boschdijk, Rotterdam  
CHINA CLAY—80 cks., Baltimore & Ohio R. R., Boschdijk, Rotterdam  
NITROGENOUS MATERIAL—3,000 bgs., F. H. Shalus Co., Boschdijk, Rotterdam  
OIL—Haarlem, 25 cs., Order, Boschdijk, Rotterdam  
ORE—Iron, 11,000 tons, Bethlehem Steel Corp., Torlak Scogland, Poti; 2,000 tons, Carnegie Steel Co., Montgomery City, Calcutta; 6,435 tons, E. J. Lavino & Co., New Toronto, Secondee; 2,000 tons, Carnegie Steel Co., City of Yokohama, Calcutta  
PITCH—214 bb's., William H. Masson, Wheatmore, Liverpool  
POTASH—Kainit, 12.4%, 1,736,020 lbs., W. S. N. Rukert, Annavore, Antwerp; 14%, 19,800 lbs., W. S. N. Rukert, Annavore, Antwerp; 12.4%, 409,200 lbs., W. S. N. Rukert, Britte, Antwerp; Manure Salts, 20%, 3,044,580 lbs., W. S. N. Rukert, Annavore, Antwerp; 10%, 1,609,960 lbs., W. S. N. Rukert, Britte, Antwerp; 30%, 730,400 lbs., W. S. N. Rukert, Britte, Antwerp; Muriate, 3,343,032 lbs., W. S. N. Rukert, Annavore, Antwerp; 50%, 125,840 lbs., W. S. N. Rukert, Britte, Antwerp; 5,250 bgs., 1,047,816 lbs., W. S. N. Rukert, Britte, Antwerp; 55.57%, 1,220 bgs., 243,492 lbs., W. S. N. Rukert, Britte, Antwerp; 60%, 1,410 bgs., 281,413 lbs., W. S. N. Rukert, Britte, Antwerp; Sulphate, 2,220 bgs., 423,117 lbs., W. S. N. Rukert, Britte, Antwerp; 250 bgs., 49,897 lbs., W. S. N. Rukert, Britte, Antwerp  
SAGO FLOUR—375 bbs., Samuel Shapiro & Co., Steel Worker, Singapore  
SODA—Nitrate, 462 bgs., 46 tons, R. W. Greeff & Co., New York, Maine, Copenhagen  
ARSENATE—24 cks., F. H. Shalus Co., Davian, Liverpool

### IMPORTS AT NEW ORLEANS

Jan. 21 to 28

BENZINE—7,550 tons, N. O. Refining Co., Curaao  
BAUXITE—2,145 tons, Republic Mining Co., Georgetown  
COPRA—728 sks., C. E. Johnston Co., Livingston  
CREOSOTE—6,140 tons, Barnett & Co., London  
FULLER'S EARTH—1,000 sks., Order, London  
GUM—Chicle, 1,800 bbls., Chicle Dev. Co., Comumel  
MOLASSES—792,500 gals., Dunbar Molasses Co., Nuevitas  
OIL—Olive, 46 cs., Order, Bordeaux; 985 cs., Order, Marseilles; Codliver, 445 bbls., Scandinavia  
OCHRE—170 cks., Order, Marseilles  
POTASH—Muriate, 2,650 sks., Order, Hamburg  
SPONGES—24 bbls., Order, Havana

### IMPORTS AT SAN FRANCISCO

Jan. 15 to 22

ACID—26 cks., 50 pkgs., Order, Rotterdam  
AMMONIA—20 cks., Order, Rotterdam  
CASSIA—150 b's., S. L. Jones & Co., Hongkong  
CHEMICALS—33 bbls., L. H. Butcher Supply Co., Rotterdam; 104 drs., and 75 cks., Order, Rotterdam  
FULLER'S EARTH—30 bgs., Balfour Guthrie & Co., London  
GLUE—54 bbls., Order, Rotterdam

KAPOC—123 bls., Lilienthal, Lee & Co., Sourabaya; 6 bls., Burns, Philp Co., Sourabaya

OIL—Codliver, 30 bb's., Raymond Co., Rotterdam; Coconut, 560 tons, Sullivan & Co., Manila; Herring, 40 bb's., Charles Cabre Co., Yokohama; Palm, 90 bbls., Atkins, Krohn & Co., Singapore; Seed, 180 cks., Willits & Co., Hankow; Wood, 300 tons, Sullivan & Co., Hankow  
SULPHIDE—50 drs., Order, London  
TAPIOCA—Pearl, 257 bgs., National City Bank of New York  
VEGETABLE TALLOW—205 pkgs., Pacific Orient Co., Hankow

### IMPORTS AT WILMINGTON, N. C.

Jan. 20 to 27

SODIUM—Nitrate, 5,000 tons, Order, Hecac, Chile

### COMPRESSED GAS OFFICERS

Compressed Gas Manufacturers'

Association elected John C. Minor president at the annual meeting Jan. 24 at Hotel Commodore. Reports were read by John H. Luening, secretary-treasurer, and the following committee chairmen:—Auditing, E. C. Turner; finance, J. C. Minor; test and specification, H. S. Smith; membership, J. S. Steinmetz; transportation, H. Thompson; cylinder manufacturing, C. L. Gulick; acetylene, R. A. Sossong; ammonia, H. Dannenbaum; carbon dioxide, P. F. Lavedon; oxygen, E. C. Turner; Canadian section, J. R. Colby.

Officers of the association for 1927, in addition to Mr. Minor, of New York, are: Vice-president, P. Samuel Rigney, Roessler & Hasslacher Chemical Company; secretary-treasurer, John H. Luening, 120 West 42d st., New York (re-elected).

Executive board:—T. P. Arnold, National Carbonic Co.; Eugen Bacher, Metal & Thermit Corp.; W. H. Bower, Hy. Bower Chemical Manufacturing Co.; W. A. Brown, Liquid Carbonic Co.; J. R. Colby, Canadian Carbonate, Ltd.; H. W. Cole, General Carbonic Co.; Dr. H. Dannenbaum, National Ammonia Co.; J. A. Dixon, Pintsch Compressing Co.; R. O. Eichleay, Pittsburgh Thermoline Co.; C. O. Epperson, Compressed Gas Corp.; F. A. Eustis, Virginia Smelting Company; M. L. Goodrich, Swift & Co.; A. A. Heller, International Oxygen Company; H. M. Hooker, Hooker Electrochemical Co.; S. W. Jacobs, Electro Bleaching Gas Co.; F. A. Johnston, S. S. White Dental Manufacturing Company; J. A. Kienle, Mathieson Alkali Works; F. J. King, Linde Air Products Co.; Otto S. King, Ohio Chemical & Manufacturing Co.; F. Y. Locke, Northwestern Blaugas Co.; A. R. Ludlow, Compressed Carbonic Co.; E. G. Luening, Gas Products Association; J. C. Minor, A. Cressy Morrison, International Acetylene Association; P. Samuel Rigney, Roessler & Hasslacher Chemical Co.



**GERMAN CHEMICAL PLANS***(Special to CHEMICAL MARKETS)*

Washington, D. C., Feb. 2—Extension of numerous plants of I. G., concern in Germany is progressing steadily, says a report from Consul Hamilton C. Claiborne, Frankfurt on Main. When additions to Leunawerke are completed it will be the biggest industrial plant in Germany.

Construction in Hoechst is continuing. Although the expansion at Hoechst is primarily for the production of lime nitrate, reports say that other chemicals will be manufactured. Griesheim plant will be charged with the increased production of hydrogen necessary for I. G.'s hydrogenation process. Although I. G. is popularly credited with the manufacture of a very cheap hydrogen, it is believed in Germany that it is preparing to produce economically impure hydrogen, which can be used in the Bergius and similar processes of coal treatment, even if not suitable for all chemical purposes. Construction of new silos at Hoechst is advancing at record speed, the third will be completed before the contracted date, and work on the fourth will be started without delay. These silos apparently are intended for the new mixed fertilizer of I. G., called "Nitrophoska," which has lately been approved by Federal Ministry of Food.

**BRITAIN HAS NEW DYE**

British Dyestuffs Corp.'s research chemist has invented a method whereby anyone, even a child, may dye practically any substance in patterns and colors. The process is unlike any other method of dyeing yet discovered. In all other methods the dye forms a compound with the material dyed or else with a mordant incorporated in the material.

In this method the dye is first made to form a film on the surface of the material and then, either immediately or during the dyeing process, it eats its way into the material and dyes it.

While its chief purpose will be for dyeing fabrics, other substances can also be similarly treated. Among others the following substances have been found to yield excellent results with the process: Paper, straw, leather, cork, rubber, silk, rayon, cotton, pottery and wood. The most effective results are obtained with celluloid.

The new dye will be placed on the market this year, probably for Summer goods.

Consensus of opinion in the Southwest seems to be that airplane dusting with poisons on cotton fields is not as practical as older methods.

**ALSACE POTASH OUTPUT**

Potash production in Alsace during the first ten months of 1926 amounted to 1,877,300 metric tons, yielding 299,000 tons of pure potash compared with 250,000 tons of pure potash for the same period in 1925 and 226,250 tons for 1924, according to advices from Consul J. D. Johnson. Total production of crude salts in Alsace during 1926 is estimated at more than 2,300,000 tons which is an increase of nearly 20 per cent over the previous year and approximately seven times the production of 1918.

Total exports of Alsace potash products to United States for the first eleven months of 1926 amounted to 318,579 tons valued at \$4,184,312. It is estimated that the total for 1926 will exceed the 1925 shipments by from \$400,000 to \$500,000.

**METHANOL OUTPUT IN 1926**

Wood distillation and charcoal manufacturing companies report output valued at \$25,283,432, in 1925, a decrease of 14.9 per cent compared with \$29,695,423 for 1923. The principal items in the total for 1925 were as follows: Crude methanol 5,848,615 gallons, valued at \$2,025,680; refined methanol, 5,866,348 gallons, valued at \$3,387,723; acetate of lime, 72,567 tons, valued at \$3,433,384; tar, 5,517,937 gallons, valued at \$839,578; turpentine (distilled from wood, not from gum), 3,166,548 gallons, valued at \$2,078,879; pine oil, 2,029,833 gallons, valued at \$836,648; rosin (distilled from wood, not from gum), 512,478 barrels (of 280 pounds), valued at \$3,378,343; charcoal, 43,808,246 bushels, valued at \$5,882,040.

**DYE TESTS FOR RAYON**

National Aniline & Chemical Co. warns dyers that tests of rayon must be made in order to determine right methods for dyeing. Sometimes a preliminary cleaning is necessary.

With exception of so-called acetate silk, other kinds of rayon are dyed with the same groups of dye stuffs as are applicable to cotton. Nitro silks, owing to their strong affinity for most dyes, require that the dyestuffs be previously dissolved and added to the dyebath slowly so that the silk can take up color uniformly.

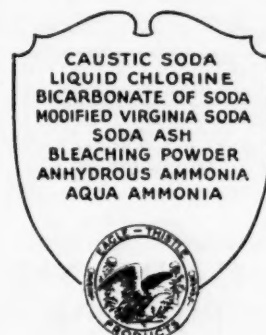
Salesmen's Association of the American Chemical Industry will hear William Zinsser on "Sanctity of Contracts," and Howard S. Nieman on "Purchasing Agents," at the monthly dinner at the Machinery Club, 50 Church st., New York, Friday, Feb. 4, at 6:30 p. m. There will be vaudeville after dinner.

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# Patents

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Chemical Products and  
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## TO SECURE COPIES OF PATENTS

U. S., 10c U. S. Patent Office, Washington. British, draft on London, one shilling, British Patent Office, 25 Southampton Bldgs., Chancery Lane, W. C. 2, London. French one franc, Minister of Commerce & Industry, Paris. German, draft on Berlin, one mark, German Patent Office, Berlin.

Application date appears with each patent.

### UNITED STATES PATENTS

Issued Jan. 18, 1927

1,614,483.—Distillation or Evaporation of Liquids. J. L. Major, London, and B. Taylor, Bilston, England. Jan. 23, 1925.

1,614,521.—Making Nitrogenous Fertilizer. G. H. Buchanan, Westfield, and P. W. Griffith, Elizabeth, N. J., assignors, American Cyanamid Co., New York. Feb. 8, 1924.

1,614,523.—Heavy Metal Cyanides. K. F. Cooper, Great Neck, N. Y., assignor,

American Cyanamid Co. May 13, 1922.

1,614,526.—Plastic Compositions. J. M. Lambie and D. W. Ross, Washington, Pa. Dec. 30, 1924.

1,614,559-60.—Hydrocarbon Fuels. L. Kirschbraun, Chicago. Apr. 1, 1920, and Aug. 16, 1920.

1,614,565.—Testing Viscosity of Matter.—R. A. McWaid, Maywood, Ill., assignor, Western Electric Co., New York. Sept. 10, 1924.

1,614,566.—Comminuting Fusible Solids. C. Marx, Wyoming, N. J., assignor, Union Sulphur Co. Jan. 12, 1924.

1,614,581.—Nitro Aminobenzoyl Orthobenzoic Acid. R. Adams and J. M. Davidson, Urbana, Ill., and I. Gubelmann, South Milwaukee, assignor, The Newport Co., Carrollville, Wis. Feb. 8, 1926.

1,614,615.—Recovery of Volatile Substances. J. Janneck, G. Wietzel and F. Stoewener, Ludwigshafen, assignor, I. G. Farbenindustrie A. G., Frankfurt, Germany. Sept. 5, 1924.

1,614,625.—Iron Carbonyl. M. Mueller-Cunradi, Ludwigshafen, assignor, I. G. Farbenindustrie A. G., Frankfurt. Jan. 5, 1925.

1,614,636.—Transforming Gelatinous Colloids into Globules or Pearls. W. Wachtel, Berlin. Nov. 9, 1925.

1,614,645.—Mucilaginous Composition. D. Bonimini, Alameda, Calif. Apr. 26, 1924.

1,614,660.—Cracking Hydrocarbons. H. T. Darlington, West Chester, Pa., and R. M. Steffen, Lincoln, Nebr. June 4, 1923.

1,614,663.—Recovery of Bromine. H. H. Dow and E. O. Barstow, assignors, The Dow Chemical Co., Midland, Mich. Sept. 20, 1924.

1,614,685.—Carbon Black from Natural Gas. E. B. Parsons and W. Inskeep, San Francisco, and W. Hunt, Baltimore. May 9, 1925.

1,614,689.—Oil Still. J. Primrose, Dongan Hills, N. Y., assignor, Power Specialty Co., New York. Apr. 7, 1921.

1,614,698.—Preparing Urea. J. M. A. Stillesen, Niagara Falls, N. Y. June 16, 1923.

1,614,707.—Absorbent Carbon. O. L. Barnebey, Columbus, and M. B. Cheney, Briggsdale, O. Feb. 14, 1925.

1,614,735.—Motor Fuel. L. Kirschbraun, Chicago. Dec. 24, 1919.

1,614,753.—Dehydrating Unit. P. S. Moyer, Chicago, assignor, The Aridor Co. July 9, 1923.

1,614,791.—Distillation Apparatus. E. R. Hamilton, Nitro, W. Va. Nov. 1, 1923.

1,614,876.—Agitating Fluid Separating Mediums. T. M. Chance, Philadelphia. May 17, 1923.

1,614,877.—Distillation of Alcohol. E. I. Clapp, Baltimore, assignor, U. S. Industrial Alcohol Co. Jan. 10, 1925.

1,614,883.—Ethylene Monoalkyl Ethers. J. G. Davidson, Pittsburgh assignor, Carbide & Carbon Chemicals Corp. Feb. 7, 1924.

1,614,899.—Pulverizing Machine. A. M. Read, Columbus, O. Mar. 31, 1921.

1,614,913.—Decorating Carbon from Vegetable Materials. O. L. Barnebey, Detroit. Mar. 23, 1921.

1,614,929.—Paint Remover. A. G. Munyon, San Francisco. July 14, 1924.

1,614,930.—Converting Hydrocarbon Liquid. A. J. Paris, Jr., Bradford, Pa. May 14, 1924.

1,614,925.—Etching Rubber. E. Sardou, Marseilles. Sept. 29, 1925.

1,614,943.—Fertilizer.—G. Barsky, New York, and F. W. Freise, Palmyra, N. Y., assignors, American Cyanamid Co., New York. July 23, 1923.

1,614,947.—Filtering Process. H. W. Blaisdel, Los Angeles, assignor, The Blaisdel Filtration Co. Dec. 12, 1921.

1,615,051.—Mining Sulphur. R. H. Stewart, Vancouver, British Columbia, Canada, assignor, Texas Gulf Sulphur Co., New York. Mar. 15, 1924.

1,615,089.—Finish Remover. F. H. Lang, River Forest, Ill., assignor, Western Electric Co., New York. Aug. 31, 1922.

1,615,091.—Removing Coloring Matter from Solutions. M. Levy, Geneva, Switzerland, assignor, The International Sugar and Alcohol Co., London. June 13, 1925.

1,615,102.—Utilizing Waste Sulphite Cellulose Lye. C. G. Schwalbe, Eberswalde, Germany. Jan. 21, 1925.

1,615,112.—Separating Mineral Oils from Sand. M. E. Fyelman, London. Nov. 16, 1920.

1,615,143.—Motor Fuel Testing Composition. V. Serravallo, Trieste, Italy, and E. Weiss, Vienna. Aug. 16, 1923.

1,615,193.—Arsenic Acid. W. C. Piver, Hilsdale, N. J. Feb. 21, 1923.

### BRITISH PATENTS

Issued Dec. 22, 1926

260,224.—Casein. E. M. Meyer, New York. Sept. 22, 1926.

260,225.—Phosphoric Acid. Chemische Fabrik Griesheim-Elektron, assignor, I. G. Farbenindustrie A. G., Frankfurt. Sept. 23, 1926.

260,236.—Purifying Carbon Disulphide. Chemische Fabrik Griesheim-Elektron, assignor, I. G. Farbenindustrie A. G., Frankfurt. Oct. 8, 1926.

260,243.—Cleansing and Emulsifying Agents. I. G. Farbenindustrie A. G. Oct. 13, 1926.

260,253.—Urea Formaldehyde Condensation Products. I. G. Farbenindustrie A. G. Oct. 16, 1926.

260,279.—Setting Tanks. G. P. Kropp, Dresden. Oct. 21, 1926.

260,280.—Liquid Level Gauges. E. Thomson, Swamscott, assignor, British-Thomson-Houston Co., Ltd., London. Oct. 21, 1926.

260,283.—Urea Formaldehyde Condensation Products. Society of Chemical Industry in Basel, Switzerland. Oct. 22, 1926.

260,289.—Stripping Dyes from Fabrics, etc. W. Whitehead, Cumberland, Md., assignor, British Celanese, Ltd., London. Oct. 22, 1926.

260,339.—Forming Azo Dyes on Material. Badische Anilin & Soda Fabrik, Ludwigshafen. July 27, 1925.

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260,290.—Treating Artificial Silks. C. Dreyfus, New York, and H. Platt, Cumberland, Mr., assignors, British Celanese, Ltd., London. Oct. 22, 1926.

260,298.—Refractory Substances. Borgerstad Fabrikker, Porsgrund, Norway. Oct. 23, 1926.

260,303.—Vat Dyes. Farbenfabriken vorm. F. Bayer & Co., Leverkusen, assignor, Durand et Huguenin Societe Anonyme, Basel, Switzerland. Oct. 25, 1926.

260,305.—Acetaldehyde. Consortium fuer Elektrochemische Industrie Ges., Munich. Oct. 26, 1926.

260,312.—Deustering Rayon. British Celanese, Ltd., London. May 24, 1925.

260,324.—Disinfectant Cleansing Compositions. L. E. Whitlock, New York. July 2, 1925.

260,329.—Straining Liquids. Simon-Carves, Ltd., Manchester, and A. Robinson, Hale, Cheshire. July 20, 1925.

260,331.—Cleansing and Preserving Stone. J. E. Marsh, Oxford. July 23, 1925.

260,374.—Parchment Paper and Vulcanized Fibre. R. Arnot, London. Aug. 17, 1925.

260,387.—Bulk Evaporator. H. Hillier, Westminster. Sept. 8, 1925.

260,427.—Fibrous Composition. J. Melandri, and Spun Concrete Construction Co., London. Nov. 5, 1925.

260,451.—Metallic Chlorides. A. Gordon, Johannesburg, South Africa. Jan. 11, 1926.

260,445.—Purifying Oils and Waxes. Burmah Oil Co., Glasgow, and R. R. Worsley, London. Jan. 27, 1926.

260,460.—Photographic Sensitive Synthetic Resin Layers. Wadsworth Watch Case Co., Dayton, Ky. Feb. 4, 1926.

260,514.—Recovering Sulphuric Acid. Drman Long & Co., Middlesborough, J. A. Roelofsen, Saltburn, and L. Shuttlesworth, Marton, Yorkshire. June 12, 1926.

260,553.—Fire Extinguishing Liquids. Societe Bouillon Freres, Paris, assignors, Knockout Fire Extinguishers, Ltd., London. Sept. 13, 1926.

260,543.—Double Salts for Tanning Leather. Farbwerke vorm. Meister, Lucius & Bruening, Hoechst, assignors, I. G. Farbenindustrie A. G., Frankfurt. Apr. 16, 1926.

260,544.—Anthraquinone Derivatives. I. Gubelmann, South Milwaukee, assignor, Newport Co., Carrollville, Wis. May 1, 1926.

260,550.—Polymerized Vinyl Chloride. I. Ostromensky, New York, assignor, J. A. Van Dyk, New York. July 26, 1926.

260,550.—Alkali Sulphites. V. D. Rewsen, Larchmont, N. Y., assignor, West Virginia Pulp & Paper Co., New York. July 29, 1926.

260,557.—Fibrous Plaster Composition. J. F. Haggerty, Coronado, Calif. Sept. 18, 1926.

260,567.—Active Carbon. E. Kuecher, Frankfurt, assignor, Verein fuer Chemische Industrie A. G., Frankfurt. Oct. 11, 1926.

260,568.—Perylene Derivatives. K. Steiger, Graz, Austria, assignor, G.U.F. Bensa, Genoa. Oct. 11, 1926.

260,575.—Acid Proof Sabs. Farbwerke vorm. Meister, Lucius & Bruening, Hoechst, assignors, I. G. Farbenindustrie A. G., Frankfurt. Oct. 15, 1926.

#### GERMAN PATENTS Issued Dec. 30, 1926

436,879.—Decomposing Starch-Containing Raw Products. F. Fretwurst, Berlin. Dec. 20, 1923.

436,577.—Handling Liquids. The Dorr Co., London. Dec. 30, 1925.

436,719.—Filter Press. I. P. Bemberg A. G., Barmen, Germany. Oct. 10, 1924.

436,631.—Solid Mixtures of Alkali Hypochlorite and Alkali Chloride. Dr. A. Oppe, Aachen, Germany. Mar. 18, 1926.

436,671.—Metallic Hydroxides. I. G. Far-

benindustrie A. G., Frankfurt. Sept. 16, 1924.

436,819.—Alcohol Soluble Bromine Containing Condensation Products. A. Judefeind, Bremen. Oct. 9, 1923.

436,820.—Primary Aromatic Amines. I. G. Farbenindustrie A. G. Jan. 12, 1924.

436,620.—Phenylglycin and Derivatives from trichloroethylene. British Dyestuffs Corp., Ltd., London. Nov. 17, 1925.

436,779.—Resinous Condensation Products from phenols and aldehydes. C. Kulas and Dr. J. Scheiber, Leipzig. Mar. 18, 1924.

436,790.—Azo Colors. I. G. Farbenindustrie A. G. Jan. 9, 1925.

436,828.—Green Vat Dyes of Benzanthrene Series. I. G. Farbenindustrie A. G. Feb. 15, 1922.

436,829.—Vat Dyes. I. G. Farbenindustrie A. G. Aug. 27, 1922.

436,887.—Vat Dyes. I. G. Farbenindustrie A. G. Oct. 12, 1924.

436,888.—Isodibenzanthrones. I. G. Farbenindustrie A. G. Oct. 26, 1924.

436,830.—Acid Triarylmethane Dyes. I. G. Farbenindustrie A. G. Feb. 14, 1923.

436,889.—Treating Shale Oil. N. H. Freeman, London. Mar. 25, 1926.

436,944.—Purifying Benzol, Benzine and the like. Benzol Verband G.m.b.H., Bochum. Feb. 2, 1926.

436,945.—Motor Fuel. Deutsche Petroleum A. G., Charlottenburg, and Dr. E. H. Riesenfeld, Berlin. Feb. 25, 1925.

436,946.—Motor Fuel. General Motors Corp., Detroit. Dec. 12, 1923.

436,890.—Condenser for Light Fatty Acids. Continentale A. G. fuer Chemie, Berlin. Mar. 2, 1926.

436,923.—Insecticide Preparation Containing Thallium Compounds. I. G. Farbenindustrie A. G. Feb. 23, 1923.

250,577.—Pyrazolones. C. Mannich, Frankfurt. Oct. 18, 1926.

260,588.—Anthraquinoneacidrone Dyes. I. G. Farbenindustrie A. G., Frankfurt. Oct. 25, 1926.

Proposal to erect and endow a research laboratory at McGill University, Montreal, at a cost of \$350,000, which was considered by the pulp and paper men of Canada a year ago, was approved at the annual convention of Canadian Pulp and Paper Association, Jan. 28.

Ohio Leather Co., Youngstown, O., shows operating profit of \$148,000 for 1926, but this was turned into a deficit of \$77,000 by inventory reductions. Its assets include cash and U. S. notes of \$1,000,000.

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Washington, D. C., Feb. 2.—Form 1410-D relative to permits to purchase liquor has been rescinded.

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NOW AVAILABLE a man who is peculiarly fitted for assistant to high executives in the chemical or allied industries. Present employment executive where tact, chemical knowledge and ability to deal and correspond with business men and employees are prerequisites. 39 years of age, a post-graduate American chemist. For details write Box 611, CHEMICAL MARKETS.

CHEMIST, 20 years' experience organic, inorganic chemicals, who has manufactured several highly remunerative products; well recommended; wants connection. Moderate salary. Box 619 CHEMICAL MARKETS.

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FOR SALE—Complete files of DRUG & CHEMICAL MARKETS, unbound, \$5.00 a volume.

CHEMISTS (2), several years' experience commercial consulting work; creative and exclusive ability plus intelligent and diligent application. Box 620, CHEMICAL MARKETS.

CHEMIST, Ph.D., organic, 15 years research, production and business experience; formerly Bureau of Standards; technical proficiency with understanding commercial aspects involved; references. Box 615, CHEMICAL MARKETS.

## Help Wanted

LABORATORY ASSISTANT — Young man wanted as assistant in large industrial chemical manufacturer's plant. Laboratory testing and analytical work principally with opportunity to assist in research problems. Salary \$1,800. Full particulars in application. Box 504, CHEMICAL MARKETS.

SHIPPING CLERK familiar with packing of chemical products wanted to take charge of warehouse in Brooklyn. Box 506, CHEMICAL MARKETS.

WANTED—Assistant to Sales Director of large chemical and oil jobbers in Metropolitan District. Must have real initiative and executive ability. Excellent opportunity for right man. State age, experience, and salary expected. Communications treated confidential. Box 600, CHEMICAL MARKETS.

INDUSTRIAL ALCOHOL manufacturer desires to engage to act as representative parties knowing the trade in large centers in Alabama, Arkansas, Colorado, Michigan, Missouri, North Carolina, South Carolina, Ohio, Oklahoma, Tennessee, Texas, Virginia, West Virginia, Georgia and northeastern states. Give full references and experience. Box 607, CHEMICAL MARKETS.

WANTED—Salesman familiar with Soap Manufacturers trade to take a side line for importer. Box 613, CHEMICAL MARKETS.

RUBBER CHEMIST—Manufacturer requires service of technical man with practical plant experience. Box 505, CHEMICAL MARKETS.

CHICAGO CHEMICAL and color house seeks salesman for middlewestern territory. Must live in Chicago. State history, experience. Give all details possible; also salary expected. Box 585, CHEMICAL MARKETS.

SALESMAN WANTED in the East and Middle West for successful by-product (specialty non-competitive) used in the soap industry. Must be thoroughly acquainted in this field. Good future. Write full particulars as to experience, etc. Box 538, CHEMICAL MARKETS.

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Box 618 CHEMICAL MARKETS.

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WANTED—Copy of CHEMICAL MARKETS Vol. 19, No. 10, dated July 15, 1926, to complete files of Public Library. The Director, New York Public Library.

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